

BLAST REPORT

BLAST REPORT # WS 24☐ Sanders Construction, Inc.☒ Western States Drilling & Blasting, Inc.DATE: AUG 18, 2010EXACT TIME OF SHOT: 7:39CUSTOMER: KLBJOB NO.: WS 21005SHOT LOCATION WITH GPS COORDINATES: STA 1319+00-1319+70

TICKET NO.:

CHECK LIST COMPLETED: (YES) NOTYPE OF ROCK: BASALTFACE HEIGHT: 24 FT.

POUNDS PER DELAY:

TOTAL HOLES: 25NUMBER OF HOLES: 25HOLE DIA: 3 1/2 B x S 8 x 8STEMMING: 7'DEPTH: 8'-22'AVG 14.7'

NUMBER OF HOLES:

HOLE DIA: B x S x

STEMMING:

DEPTH:

POWDER FACTOR: 0.77LBS. OF EXPLOSIVES: 658#YARDS OF ROCK: 846WEATHER: CLEARWIND: CALM

EXACT MONITOR LOCATION(GPS):

DIRECTION OF BLAST:

MONITOR TYPE:

MONITOR:

L/R

T

V

PVS

Db

MONITOR SERIAL NO.:

DISTANCE TO BLAST:

AVERAGE POUNDS PER HOLE:

OPERATOR:

EXACT MONITOR LOCATION(GPS):

DIRECTION OF BLAST:

MONITOR TYPE:

MONITOR:

L/R

T

V

PVS

Db

MONITOR SERIAL NO.:

DISTANCE TO BLAST:

AVERAGE POUNDS PER HOLE:

OPERATOR:

EXPLOSIVES

DESCRIPTION	QUANTITY USED	DATE CODE	MAGAZINE	REMOVED	RETURNED
LOCATION:					
BULK A/N	Lbs				
BAG ANFO	13 Bags	JUL 3010			
POWDER 1 1/4 x 8	25 ea.	061128			
POWDER 2 x 16	1 ea.	2MY10X2			
lb. BOOSTER	ea.				
lb. BOOSTER	ea.				
12 ft. MS 42	3 ea.	25JA10B4			
30 ft.	25 ea.	01MA10B4			
ft.	ea.				
ft.	ea.				
ft.	ea.				
ft.	ea.				
ft. ms	ea.				
	ft.				
GRAIN CORD	ft.				
GRAIN CORD	ft.				
MISCELLANEOUS					
NLLD	1 RL	07JUL054			

COMMENTS:

SHOT LIFTED & MOVED VERY UNIFORMLY.BLASTER'S SIGNATURE: Chen AhLICENSE NO.: UP 21262

Revised 03/04

ATTACH SKETCH OF SHOT

THIS FORM MUST BE FILLED OUT COMPLETELY

Sta 1319+00

Sta 1319+70

A

PREVIOUSLY DRILLED & SHOT PRESPLIT LINE

84	109	134	159	184	209	234	259
42	67	92	117	142	167	192	217

200

175

150

125

100

75

50

25

0

START

FREE FACE

A PLAN BLAST WS24

SCALE 1" = 10'

FREE FACE

SECTION AA

SCALE 1" = 5'

BLAST DATE: 18 AUG. 2010
TIME 7:39

8' DEEP 3 1/2" BOREHOLE
5' STEM MAX CHARGE
12# ANFO 1 1/4" x 8"
PRIMER

13' TO 22' DEEP 3 1/2" BOREHOLE
5' STEM MAX CHARGE
ANFO 61.6#

PREVIOUSLY SHOT
PRESPLIT LINE

0.5

DNF 5' STEM

8'

8'

8'

Check List

Date Aug 18, 2010

Job Number WS 21005

Shot Number WS 24

1. BEFORE BLASTING

NOTIFICATION

- ☒ Fire Department
- ☒ Utilities
- ☒ Businesses & Home Owners
- ☒ Seismograph Tech
- ☐ Other (List)

MATERIAL & EQUIPMENT

- ☒ Adequate Stemming Material
- ☒ Warning Signs
- ☒ Warning Signals
- ☒ Safe Amount of Lead Line
- ☒ Seismograph Paper, Pens, etc.
- ☒ Fire Extinguishers (charged)
- ☒ Adequate Blasting Shelter
- ☒ Mats (If Applicable)

SHOT DESIGN

- ☒ Pattern OK for Area
- ☒ Sufficient Burden to Face
- ☒ Reviewed drill logs
- ☒ Measured Depth, Burden & Spacing
- ☒ Shot Area Posted & Secure
- ☒ Shot Diagramed on Back

2. DURING LOADING

CONSTANT CHECKS

- ☒ Explosives
- ☒ Running Inventory
- ☒ Access Row Empty
- ☒ Drills & Traffic 50' Away
- ☒ Shot can be fired in case of emergency

All Holes to be checked & approved

☒ Blaster initial
☐ Supt initial

3. DETONATION

HOOK - UP

- ☒ All Unnecessary Crew Cleared
- ☒ All Holes Loaded & Stemmed
- ☒ Hand Check tubing Before Each Connection
- ☒ Visually Insured That Each Connection is Snapped

SECURE AREA

- ☒ Set up Seismograph
- ☒ Est. Checkpoints at Each Access
- ☒ Radio Communication with Checkpoints.
- ☒ Cleared People, Vehicles & Equipment
- ☒ Visual Coverage of Entire Site
- ☒ Five Minute Warning
- ☒ One Minute Warning

4. AFTER DETONATION

POST BLAST CHECK

- ☒ Waited for Dust & Fumes to Dissipate
- ☒ Walked Entire Area of Shot
- ☒ Insured that tail Surface Delays Fired at the End of Each Row
- ☒ Sounded All Clear Signal

LEGAL DOCUMENTATION

- ☒ Completed Shot Report
- ☒ Diagramed Shot w/ Seismograph Location (Direction & Distance)
- ☒ Recorded Seismic Results on Blast Report
- ☒ Final Inventory of Explosives Recorded
- ☒ Ticket Number Assigned By Job Supervisor
- ☒ Signed Blast Report w/ License No.

Supt has checked and verified that all has been completed and shot area is ready for loading

☒

Supt initial